

Abstract

B 16 A method to control an overactive bladder and to estimate bladder volume using an implanted sensor having at least one nerve electrode to sense electrical signals. The method includes detecting events from nerve signals, generating electrical pulses for stimulating nerves, and stimulating the nerves to inhibit detrusor contraction. Bladder volume may also be estimated based on the amplitude of the detected nerve signals and/or the time between two detected nerve signals from consecutive detrusor contractions.